

Ali Salehabadi

List of Publications by Year in descending order

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46
papers

1,476
citations

361045

20
h-index

315357

38
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48
all docs

48
docs citations

48
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of bio-nanocomposite films and edible coatings for extending the shelf life of fresh fruits and vegetables. <i>Advances in Colloid and Interface Science</i> , 2021, 291, 102405.	7.0	182
2	Biodegradable green packaging with antimicrobial functions based on the bioactive compounds from tropical plants and their by-products. <i>Trends in Food Science and Technology</i> , 2020, 100, 262-277.	7.8	175
3	Self-assembly of hydrogen storage materials based multi-walled carbon nanotubes (MWCNTs) and Dy ₃ Fe ₅ O ₁₂ (DFO) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 745, 789-797.	2.8	157
4	Plant protein-based food packaging films; recent advances in fabrication, characterization, and applications. <i>Trends in Food Science and Technology</i> , 2022, 120, 154-173.	7.8	120
5	Cheese packaging by edible coatings and biodegradable nanocomposites; improvement in shelf life, physicochemical and sensory properties. <i>Trends in Food Science and Technology</i> , 2021, 116, 218-231.	7.8	96
6	Electrochemical hydrogen storage properties of NiAl ₂ O ₄ /NiO nanostructures using TiO ₂ , SiO ₂ and graphene by auto-combustion method using green tea extract. <i>Renewable Energy</i> , 2018, 115, 199-207.	4.3	63
7	Advancements in Applications of Natural Wool Fiber: Review. <i>Journal of Natural Fibers</i> , 2022, 19, 497-512.	1.7	60
8	Green and facial combustion synthesis of Sr ₃ Al ₂ O ₆ nanostructures; a potential electrochemical hydrogen storage material. <i>Journal of Cleaner Production</i> , 2018, 171, 1-9.	4.6	47
9	Effect of copper phthalocyanine (CuPc) on electrochemical hydrogen storage capacity of BaAl ₂ O ₄ /BaCO ₃ nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 15308-15318.	3.8	45
10	Dy ₃ Fe ₅ O ₁₂ and DyFeO ₃ nanostructures: Green and facial auto-combustion synthesis, characterization and comparative study on electrochemical hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9713-9721.	3.8	45
11	Sol-Gel auto-combustion synthesis and physicochemical properties of BaAl ₂ O ₄ nanoparticles; electrochemical hydrogen storage performance and density functional theory. <i>Renewable Energy</i> , 2017, 114, 1419-1426.	4.3	44
12	Carbon-based nanocomposites in solid-state hydrogen storage technology: An overview. <i>International Journal of Energy Research</i> , 2020, 44, 11044-11058.	2.2	41
13	Investigation of oil palm based Kraft and auto-catalyzed organosolv lignin susceptibility as a green wood adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2017, 74, 115-122.	1.4	37
14	Structural characterization and electrochemical hydrogen sorption performances of the polycrystalline Ba ₂ Co ₉ O ₁₄ nanostructures. <i>Journal of Alloys and Compounds</i> , 2019, 777, 252-258.	2.8	34
15	Dy ₃ Al ₂ (AlO ₄) ₃ ceramic nanogarnets: Sol-gel auto-combustion synthesis, characterization and joint experimental and computational structural analysis for electrochemical hydrogen storage performances. <i>Journal of Alloys and Compounds</i> , 2018, 744, 574-582.	2.8	30
16	Kinetic properties and structural analysis of LaCrO ₃ nanoparticles. <i>Materials Science-Poland</i> , 2017, 35, 368-373.	0.4	26
17	Effect of Organo-Modified Nanoclay on the Thermal and Bulk Structural Properties of Poly(3-hydroxybutyrate)-Epoxy Natural Rubber Blends: Formation of Multi-Components Biobased Nanohybrids. <i>Materials</i> , 2014, 7, 4508-4523.	1.3	25
18	Electrochemical hydrogen storage properties of Ce _{0.75} Zr _{0.25} O ₂ nanopowders synthesized by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2019, 790, 884-890.	2.8	24

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19	A study on electrochemical hydrogen storage performance of \hat{I}^2 -copper phthalocyanine rectangular nanocuboids. <i>Renewable Energy</i> , 2020, 146, 497-503.	4.3	23
20	Enhanced dye sensitized solar cells efficiency by utilization of an external layer of $\text{CaCe}_2(\text{MoO}_4)_4:\text{Er}^{3+}/\text{Yb}^{3+}$ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 769, 732-739.	2.8	22
21	Synthesis and physicochemical characterization of organomodified halloysite/epoxidized natural rubber nanocomposites: a potential flame-resistant adhesive. <i>Journal of Materials Science</i> , 2016, 51, 1121-1132.	1.7	20
22	Auto-combustion synthesis, structural analysis, and electrochemical solid-state hydrogen storage performance of strontium cobalt oxide nanostructures. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31183-31191.	3.8	18
23	Amino acids assisted hydrothermal synthesis of W-type $\text{SrFe}_{18}\text{O}_{27}$ nanostructures; a potential hydrodesulfurization catalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15017-15025.	3.8	16
24	Modified Sol-Gel Processing of NiCr_2O_4 Nanoparticles; Structural Analysis and Optical Band Gap. <i>High Temperature Materials and Processes</i> , 2017, 36, 121-125.	0.6	14
25	Effect of various formulation ingredients on thermal characteristics of PVC/clay nanocomposite foams: experimental and modeling. <i>E-Polymers</i> , 2017, 17, 119-128.	1.3	14
26	Preparation, structural analysis, and assessing the impacts of holmium and ytterbium on electrochemical hydrogen storage property of strontium cerium molybdate nanostructures. <i>Electrochimica Acta</i> , 2020, 356, 136851.	2.6	14
27	Unveiling the synthesis of $\text{CuCe}_2(\text{MoO}_4)_4$ nanostructures and its physico-chemical properties on electrochemical hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154023.	2.8	11
28	Application of (mixed) metal oxides-based nanocomposites for biosensors. , 2019, , 357-396.		8
29	Preparation and application of sulfonated polysulfone in an electrochemical hydrogen storage system. <i>International Journal of Energy Research</i> , 2021, 45, 4026-4035.	2.2	8
30	A study on electrochemical hydrogen storage properties of truncated octahedron cobalt cerium molybdate nanocrystals synthesized by solution combustion method. <i>Journal of Alloys and Compounds</i> , 2021, 858, 158374.	2.8	8
31	Poly(3-hydroxybutyrate) - Organo Modified Montmorillonite Nanohybrid; Preparation and Characterization. <i>Advanced Materials Research</i> , 0, 622-623, 263-270.	0.3	7
32	Epoxidized Natural Rubber-Organomodified Montmorillonite Nanohybrids; Interaction and Thermal Decomposition. <i>Materials Science Forum</i> , 2013, 756, 119-126.	0.3	6
33	$\text{CeO}_2/\text{NiTiO}_3$ nanocomposites; synthesis, photoluminescence and magnetic behavior. <i>Materials Science-Poland</i> , 2017, 35, 275-282.	0.4	6
34	A potential photovoltaic material for dye sensitized solar cells based $\text{BaCe}_2(\text{MoO}_4)_4$ doped $\text{Er}^{3+}/\text{Yb}^{3+}$ nanostructures. <i>Journal of Cleaner Production</i> , 2019, 209, 762-768.	4.6	6
35	Overview of Energy, Society, and Environment Towards Sustainable and Development. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 1-8.	0.2	5
36	Rare-earth-based tungstates ceramic nanomaterials: recent advancements and technologies. , 2022, , 175-203.		4

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37	Thermal performance of a fixedâ€plate airâ€toâ€air energy recovery system for building application in hot and humid environment. International Journal of Energy Research, 2021, 45, 8900-8918.	2.2	3
38	Potential Risk and Occupational Exposure of Pesticides Among Rice Farmers of a Village Located in Northern Peninsular of Malaysia. Exposure and Health, 2020, 12, 735-749.	2.8	2
39	Self-Assembled Sr3Al2O6-CuPc Nanocomposites: A Potential Electrochemical Hydrogen Storage Material. International Journal of Materials Science and Engineering, 2018, 6, 10-17.	0.1	2
40	Green self-assembly of CuCe2(MoO4)4/montmorillonite-K10 nanocomposites; a promising solid-state hydrogen storage profile. Fuel, 2022, 310, 122401.	3.4	2
41	Kinetic and Nanomechanical Study of Poly (3-hydroxybutyrate)-Epoxidized Natural Rubber-Organommodified Montmorillonite Nanohybrids. Advanced Materials Research, 2013, 844, 229-234.	0.3	1
42	Ammonia-assisted synthesis method for CoTiO ₃ nanoporous matrix. Journal of Semiconductors, 2016, 37, 023002.	2.0	1
43	Designing of potential materials for solarâ€hydro electricity generation: Preparation of novel nanoâ€structured films via thermodiffusion and polymerization methods. International Journal of Energy Research, 2022, 46, 16416-16426.	2.2	1
44	Boosting Hydrogen Storage Performances of Solid-State Materials. SpringerBriefs in Applied Sciences and Technology, 2020, , 83-91.	0.2	0
45	Solid-State Hydrogen Storage Materials. SpringerBriefs in Applied Sciences and Technology, 2020, , 41-67.	0.2	0
46	Essential Parameters Identification of Hydrogen Storage Materials. SpringerBriefs in Applied Sciences and Technology, 2020, , 69-82.	0.2	0